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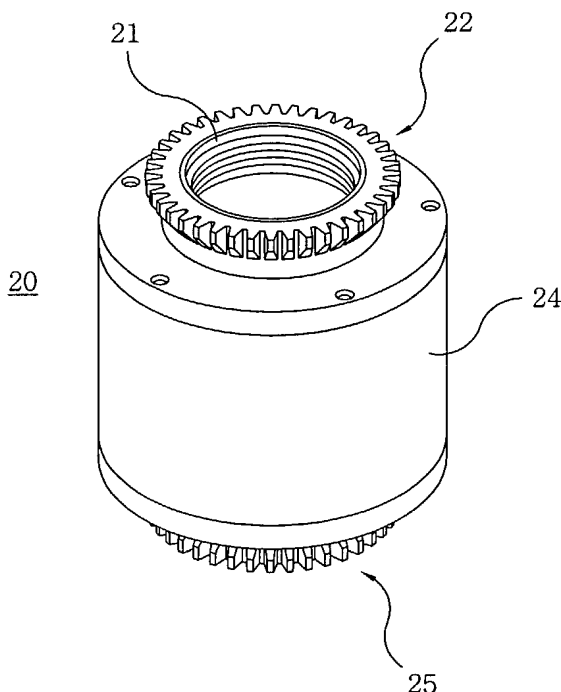
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(54) Title: LIMITED SLIP DIFFERENTIAL WITH FRICTION USING A PRESSURE GENERATING DEVICE



(57) Abstract: The present invention relates to a limited slip differential with friction using a pressure generating device for performing a slip differential function of a vehicle and simultaneously, by limiting a portion of the slip differential function for movement of the vehicle when a big slip differential occurs, for rotating both wheels smoothly comprising a body section (12) having a fixed cover (11), a first side pinion gear (14) arranged inside of said body section (12) and connected with a driving shaft of a vehicle, a second side pinion gear (13) rotatably connected with a driving shaft of vehicle opposite to said first side pinion gear (14), a pair of differential pinion gears (15, 16) each of which is rotated in engagement with said first side pinion gear (14) and second side pinion gear (13), friction plates arranged at rear sides of said first side pinion gear (14) and second side pinion gear (13), and a pressure generating device (20) constructed such that its cover gear (22) and piston gear (25) engage with said second side pinion gear (13) and first side pinion gear (14), respectively, and can be displaced away from each other in a longitudinal direction of said device.



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*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*